



A service of the National Library of Medicine  
and the National Institutes of Health

My NCBI  
[\[Sign In\]](#) [\[Register\]](#)

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for "PFSYN depsipeptide synthetase"[Substance Name]

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort by Send to

About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

- ☐ 1: [Weckwerth W, Miyamoto K, Iinuma K, Krause M, Glinski M, Storm T, Bonse G, Kleinkauf H, Zocher R.](#)

[Related Articles, Links](#)



**Biosynthesis of PF1022A and related cyclooctadepsipeptides.**

J Biol Chem. 2000 Jun 9;275(23):17909-15.

PMID: 10751395 [PubMed - indexed for MEDLINE]

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Dec 4 2006 06:35:28

[Sign in](#)

Google

[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

"Mycelia sterilia" AND pf1022

Search

[Advanced Search](#)  
[Preferences](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Web

Results 1 - 10 of about 45 for "**Mycelia sterilia**" AND pf1022. (0.43 seconds)

**[PDF] BIOSYNTHESIS OF PF1022A AND RELATED CYCLOOCTADEPSIPEPTIDES**

File Format: PDF/Adobe Acrobat

**Mycelia sterilia** PF1022, donated by Meiji Seika Kaisha, Ltd., was maintained on agar slants. (1.95% potato dextrose). Pieces from agar slants were ...

[www.jbc.org/cgi/reprint/M001084200v1.pdf](http://www.jbc.org/cgi/reprint/M001084200v1.pdf) - [Similar pages](#)

**Biosynthesis of PF1022A and Related Cyclooctadepsipeptides ...**

For PF1022A synthesis extracts of **Mycelia sterilia** were incubated with the ... In addition to PF1022 types A, B, C, and D, the in vitro incubations produced ...

[www.jbc.org/cgi/content/full/275/23/17909](http://www.jbc.org/cgi/content/full/275/23/17909) - [Similar pages](#)

[ [More results from www.jbc.org](#) ]

**Regulatory sequences functioning in filamentous fungi - usptntsv1**

The filamentous fungus strain **PF1022 (Mycelia sterilia)** (FERM BP-2671) produces substance **PF1022** which is a 24-membered cyclic depsipeptide having a ...

[www.uspatentserver1.com/691/6913905.html](http://www.uspatentserver1.com/691/6913905.html) - 13k - Supplemental Result -

[Cached](#) - [Similar pages](#)

**Regulatory sequences functioning in filamentous fungi - usptntsv1**

The strain **PF1022** was deposited with the National Institute of Bioscience and ... more specifically a microorganism that belongs to **Mycelia sterilia**. ...

[www.uspatentserver1.com/691/6913905\\_c.html](http://www.uspatentserver1.com/691/6913905_c.html) - 42k - Supplemental Result -

[Cached](#) - [Similar pages](#)

[ [More results from www.uspatentserver1.com](#) ]

**[PDF] Influence of the cyclooctadepsipeptides PF1022A and PF1022E as ...**

File Format: PDF/Adobe Acrobat

tus **Mycelia sterilia** (Rosellinia sp.) isolated from the. plant Camellia japonica in Japan, is ... **PF1022-260**, could be the process used for its industri- ...

[www.springerlink.com/index/K8572388473K3673.pdf](http://www.springerlink.com/index/K8572388473K3673.pdf) - [Similar pages](#)

**[PDF] Mechanisms of action of emodepside >>**

File Format: PDF/Adobe Acrobat

cake of the fungus **Mycelia sterilia** PF1022. The fungus. belongs to the Agonomycetales and is part of the. microflora on the leaves of Camellia japonica ( ...

[www.springerlink.com/index/BR4631TK31372V63.pdf](http://www.springerlink.com/index/BR4631TK31372V63.pdf) - [Similar pages](#)

[ [More results from www.springerlink.com](#) ]

**A new anthelmintic cyclodepsipeptide, PF1022A.**

The novel anthelmintic cyclodepsipeptide PF1022A was isolated from cultured mycelia of **Mycelia Sterilia** PF1022 (FERM BP-2671). It showed strong anthelmintic ...

[www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=1624372&dopt=Abstract)

[db=PubMed&list\\_uids=1624372&dopt=Abstract](#) - [Similar pages](#)

**Use of network analysis of metabolic systems in bioengineering**

... of elementary-modes analysis in biotechnology is illustrated by the synthesis of the cyclooctadepsipeptides **PF1022** in the fungus **Mycelia sterilia**.

[edoc.mpg.de/13759](http://edoc.mpg.de/13759) - [Similar pages](#)

Transformant producing secondary metabolite modified with ...

The transformant according to claim 14, wherein **Mycelia sterilia** is strain **PF1022** deposited with the National Institute of Bioscience and Human-Technology ...  
[www.linkgrinder.com/Patents/Transformant\\_pr\\_7109018.html](http://www.linkgrinder.com/Patents/Transformant_pr_7109018.html) - 102k - Supplemental Result  
- [Cached](#) - [Similar pages](#)

**[PDF] Profender - emodepside/ praziquantel**

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
for the chemical synthesis of which is produced by fermentation of the fungus **Mycelia sterilia**. ... BAY 44-4400, **PF1022-221**, FR156742,. Molecular formula: ...  
[www.emea.eu.int/vetdocs/PDFs/EPAR/profender/19698905en6.pdf](http://www.emea.eu.int/vetdocs/PDFs/EPAR/profender/19698905en6.pdf) - [Similar pages](#)

Result Page:    [1](#) [2](#) [3](#) [4](#)    [Next](#)

Try [Google Desktop](#): search your computer as easily as you search the web.

---

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

---

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google

[Sign in](#)

[Google](#)

[Web](#) [Images](#) [Video](#) [News](#) [Maps](#) [more »](#)

"pf1022 synthase" or "pf1022 synthetase"

[Advanced Search](#)  
[Preferences](#)

Try uppercase "OR" to search for either of two terms. [\[details\]](#)

---

## Web

Tip: Try removing quotes from your search to get more results.

Your search - **"pf1022 synthase" or "pf1022 synthetase"** - did not match any documents.

### Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

---

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google

A service of the National Library of Medicine  
and the National Institutes of HealthMy NCBI  
[\[Sign In\]](#) [\[Register\]](#)

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

B

Search PubMed  for "PF 1022A"[Substance Name]   

Limits

Preview/Index

History

Clipboard

Details

Display

AbstractPlus

Show

20

Sort by

Send to

[About Entrez](#)[Text Version](#)

All: 25

Review: 4


Items 1 - 20 of 25

Page

1

of 2 Next


## Entrez PubMed

[Overview](#)[Help | FAQ](#)[Tutorials](#)[New/Noteworthy](#) [E-Utilities](#)

## PubMed Services


[Journals Database](#)[MeSH Database](#)[Single Citation Matcher](#)[Batch Citation Matcher](#)[Clinical Queries](#)[Special Queries](#)[LinkOut](#)[My NCBI](#)

## Related Resources

[Order Documents](#)[NLM Mobile](#)[NLM Catalog](#)[NLM Gateway](#)[TOXNET](#)[Consumer Health](#)[Clinical Alerts](#)[ClinicalTrials.gov](#)[PubMed Central](#)☒ 1: [von Samson-Himmelstjerna G, Harder A, Sangster NC, Coles GC.](#) [Related Articles, Links](#) Efficacy of two cyclooctadepsipeptides, PF1022A and emodepside, against anthelmintic-resistant nematodes in sheep and cattle.


Parasitology. 2005 Mar;130(Pt 3):343-7.

PMID: 15796017 [PubMed - indexed for MEDLINE]

☒ 2: [Dyker H, Harder A, Scherkenbeck J.](#) [Related Articles, Links](#) Chimeric cyclodepsipeptides as mimetics for the anthelmintic PF1022A.


Bioorg Med Chem Lett. 2004 Dec 20;14(24):6129-32.

PMID: 15546743 [PubMed - indexed for MEDLINE]

☒ 3: [Yanai K, Sumida N, Okakura K, Moriya T, Watanabe M, Murakami T.](#) [Related Articles, Links](#) Para-position derivatives of fungal anthelmintic cyclodepsipeptides engineered with Streptomyces venezuelae antibiotic biosynthetic genes.


Nat Biotechnol. 2004 Jul;22(7):848-55. Epub 2004 Jun 6.

PMID: 15184904 [PubMed - indexed for MEDLINE]

☒ 4: [Harder A, Schmitt-Wrede HP, Krucken J, Marinovski P, Wunderlich F, Willson J, Amliwala K, Holden-Dye L, Walker R.](#) [Related Articles, Links](#) Cyclooctadepsipeptides--an anthelmintically active class of compounds exhibiting a novel mode of action.


Int J Antimicrob Agents. 2003 Sep;22(3):318-31. Review.

PMID: 13678839 [PubMed - indexed for MEDLINE]

☒ 5: [Dutton FE, Lee BH, Johnson SS, Coscarelli EM, Lee PH.](#) [Related Articles, Links](#) Restricted conformation analogues of an anthelmintic cyclodepsipeptide.


J Med Chem. 2003 May 22;46(11):2057-73.

PMID: 12747778 [PubMed - indexed for MEDLINE]

☒ 6: [Jeschke P, Harder A, von Samson-Himmelstjerna G, Etzel W, Gau W, Thielking G, Bonse G.](#) [Related Articles, Links](#) Synthesis of anthelmintically active N-methylated amidoxime analogues of the cyclic octadepsipeptide PF1022A.


Pest Manag Sci. 2002 Dec;58(12):1205-15.

PMID: 12476993 [PubMed - indexed for MEDLINE]


☒ 7: [Harder A, von Samson-Himmelstjerna G.](#) [Related Articles, Links](#) Cyclooctadepsipeptides--a new class of anthelmintically active compounds.


Parasitol Res. 2002 Jun;88(6):481-8. Epub 2002 Mar 16. Review. No abstract available.  
PMID: 12107468 [PubMed - indexed for MEDLINE]


-  **8:** Scherkenbeck J, Jeschke P, Harder A. Related Articles, Links

 PF1022A and related cyclodepsipeptides - a novel class of anthelmintics.  
Curr Top Med Chem. 2002 Jul;2(7):759-77. Review.  
PMID: 12052189 [PubMed - indexed for MEDLINE]


-  **9:** Lee BH, Dutton FE, Thompson DP, Thomas EM. Related Articles, Links

 Generation of a small library of cyclodepsipeptide PF1022A analogues using a cyclization-cleavage method with oxime resin.  
Bioorg Med Chem Lett. 2002 Feb 11;12(3):353-6.  
PMID: 11814795 [PubMed - indexed for MEDLINE]


-  **10:** Jeschke P, Harder A, Etzel W, Gau W, Thielking G, Bonse G, Iinuma K. Related Articles, Links


 Synthesis and anthelmintic activity of thioamide analogues of cyclic octadepsipeptides such as PF1022A.  
Pest Manag Sci. 2001 Nov;57(11):1000-6.  
PMID: 11721515 [PubMed - indexed for MEDLINE]


-  **11:** Zahner H, Taubert A, Harder A, von Samson-Himmelstjerna G. Related Articles, Links


 Filaricidal efficacy of anthelmintically active cyclodepsipeptides.  
Int J Parasitol. 2001 Nov;31(13):1515-22.  
PMID: 11595239 [PubMed - indexed for MEDLINE]


-  **12:** Dyker H, Scherkenbeck J, Gondol D, Goehrt A, Harder A. Related Articles, Links


 Azadepsipeptides: synthesis and evaluation of a novel class of peptidomimetics.  
J Org Chem. 2001 Jun 1;66(11):3760-6.  
PMID: 11374995 [PubMed - indexed for MEDLINE]


-  **13:** Saeger B, Schmitt-Wrede HP, Dehnhardt M, Benten WP, Krucken J, Harder A, Von Samson-Himmelstjerna G, Wiegand H, Wunderlich F. Related Articles, Links


 Latrophilin-like receptor from the parasitic nematode *Haemonchus contortus* as target for the anthelmintic depsipeptide PF1022A.  
FASEB J. 2001 May;15(7):1332-4. No abstract available.  
PMID: 11344131 [PubMed - indexed for MEDLINE]


-  **14:** Nicolay F, Harder A, von Samson-Himmelstjerna G, Mehlhorn H. Related Articles, Links

 Synergistic action of a cyclic depsipeptide and piperazine on nematodes.  
Parasitol Res. 2000 Dec;86(12):982-92.  
PMID: 11133114 [PubMed - indexed for MEDLINE]

-  **15:** Weckwerth W, Miyamoto K, Iinuma K, Krause M, Glinski M, Storm T, Bonse G, Kleinkauf H, Zocher R. Related Articles, Links

 Biosynthesis of PF1022A and related cyclooctadepsipeptides.  
J Biol Chem. 2000 Jun 9;275(23):17909-15.  
PMID: 10751395 [PubMed - indexed for MEDLINE]

-  **16:** von Samson-Himmelstjerna G, Harder A, Schnieder T, Kalbe J, Mencke N. Related Articles, Links

 In vivo activities of the new anthelmintic depsipeptide PF 1022A.  
Parasitol Res. 2000 Mar;86(3):194-9.

PMID: 10726989 [PubMed - indexed for MEDLINE]

☐ 17: [Geary TG, Sangster NC, Thompson DP.](#)[Related Articles, Links](#)

Frontiers in anthelmintic pharmacology.  
Vet Parasitol. 1999 Aug 1;84(3-4):275-95. Review.  
PMID: 10456419 [PubMed - indexed for MEDLINE]

☐ 18: [Scherkenbeck J, Harder A, Plant A, Dyker H.](#)[Related Articles, Links](#)

PF1022A--a novel anthelmintic cyclooctadepsipeptide. Modification and exchange of the N-methyl leucine residues.  
Bioorg Med Chem Lett. 1998 May 5;8(9):1035-40.  
PMID: 9871703 [PubMed - indexed for MEDLINE]

☐ 19: [Kachi S, Terada M, Hashimoto H.](#)[Related Articles, Links](#)

Effects of amorphous and polymorphs of PF1022A, a new antinematode drug, on *Angiostrongylus costaricensis* in mice.  
Jpn J Pharmacol. 1998 Jul;77(3):235-45.  
PMID: 9717771 [PubMed - indexed for MEDLINE]

☐ 20: [Kachi S, Terada M, Hashimoto H.](#)[Related Articles, Links](#)

Influence of PF1022A on the motility of *Angiostrongylus cantonensis* in vitro.  
Parasitol Res. 1997;83(6):578-82.  
PMID: 9211510 [PubMed - indexed for MEDLINE]

Items 1 - 20 of 25

Page

1

of 2 Next

Display

AbstractPlus



Show

20



Sort by



Send to

[Write to the Help Desk](#)[NCBI](#) | [NLM](#) | [NIH](#)

Department of Health &amp; Human Services

[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Dec 4 2006 06:35:28

A service of the National Library of Medicine  
and the National Institutes of HealthMy NCBI  
[Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for "PF 1022A"[Substance Name] Go Clear Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort by Send to

About Entrez

Text Version

All: 25 Review: 4

Items 21 - 25 of 25

Previous Page 2 of 2

## Entrez PubMed

Overview

Help | FAQ

Tutorials

New/Noteworthy  
E-Utilities

## PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

## Related Resources

Order Documents

NLM Mobile

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

☐ 21: Chen W, Terada M, Cheng JT.

Related Articles, Links

Characterization of subtypes of gamma-aminobutyric acid receptors in an *Ascaris* muscle preparation by binding assay and binding of PF1022A, a new anthelmintic, on the receptors.

Parasitol Res. 1996;82(2):97-101.

PMID: 8825201 [PubMed - indexed for MEDLINE]

☐ 22: Conder GA, Johnson SS, Nowakowski DS, Blake TE, Dutton FE, Nelson SJ, Thomas EM, Davis JP, Thompson DP.

Related Articles, Links



Anthelmintic profile of the cyclodepsipeptide PF1022A in in vitro and in vivo models.

J Antibiot (Tokyo). 1995 Aug;48(8):820-3. Erratum in: J Antibiot (Tokyo) 1995 Nov;48(11):C-2.

PMID: 7592027 [PubMed - indexed for MEDLINE]

☐ 23: Kachi S, Ishih A, Terada M.

Related Articles, Links

Effects of PF1022A on adult *Angiostrongylus cantonensis* in the pulmonary arteries and larvae migrating into the central nervous system of rats.

Parasitol Res. 1995;81(8):631-7.

PMID: 8570576 [PubMed - indexed for MEDLINE]

☐ 24: Dutton FE, Nelson SJ.

Related Articles, Links



Synthesis of PF1022A, an anthelmintic cyclodepsipeptide.

J Antibiot (Tokyo). 1994 Nov;47(11):1322-7. No abstract available.

PMID: 8002397 [PubMed - indexed for MEDLINE]

☐ 25: Sasaki T, Takagi M, Yaguchi T, Miyadoh S, Okada T, Koyama M.

Related Articles, Links



A new anthelmintic cyclodepsipeptide, PF1022A.

J Antibiot (Tokyo). 1992 May;45(5):692-7. Erratum in: J Antibiot (Tokyo) 1996 Sep;49(9):C-2.

PMID: 1624372 [PubMed - indexed for MEDLINE]

Items 21 - 25 of 25

Previous Page 2 of 2

Display Summary Show 20 Sort by Send to

Write to the Help Desk

NCBI | NLM | NIH

Department of Health &amp; Human Services



[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)

Dec 4 2006 06:35:28